Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	01/21/2019 09:15 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/02/2019 10:47 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123647	-2	2.58	123613	2.65
Blue	F	SSC	125000	124176	-1	4.15	124906	4.24
Blue	E	FITC	16694	16221	-3	4.12	377	21.77
Blue	D	PE	32792	32291	-2	3.42	710	16.23
Blue	B	PerCP-Cy5-5	44451	44035	-1	4.89	1204	23.39
Blue	A	PE-Cy7	33645	33735	0	7.31	618	48.82
Red	C	APC	47008	46353	-2	3.18	1797	13.64
Red	A	APC-Cy7	32298	31753	-2	3.09	794	13.73
Violet	B	V450	8961	8586	-5	4.61	474	15.08
Violet	A	V500	32726	31921	-3	4.36	768	11.32

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20164	4.59	608	-5	N/A	N/A	Pass
Blue	F	SSC	56196	3.66	578	10	N/A	N/A	Pass
Blue	E	FITC	62	70.60	564	1	0.0157	106	Pass
Blue	D	PE	143	55.60	568	2	0.1331	276	Pass
Blue	B	PerCP-Cy5-5	224	55.35	672	1	0.0070	21	Pass
Blue	A	PE-Cy7	119	122.31	728	2	0.0085	25	Pass
Red	C	APC	411	28.24	609	-4	0.0180	54	Pass
Red	A	APC-Cy7	196	31.51	581	-4	0.0050	1336	Pass
Violet	B	V450	71	69.35	478	-8	0.0364	1823	Pass
Violet	A	V500	110	35.52	488	-8	0.0184	540	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	01/21/2019 09:15 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/02/2019 10:47 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.65	-32.00	1.15
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.50
Red	17.68	13.60 - 20.40	N/A	N/A	28.92	29.57	1.23

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 13712

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments